

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/019237 A1

(51) International Patent Classification⁷: **C07H 15/14,**
A61K 31/70, A61P 31/04

MADGE, Paul David Orr [AU/AU]; 1001/19 Albert
Avenue, Broadbeach, Queensland 4218 (AU).

(21) International Application Number:
PCT/AU2004/001115

(74) Agent: **GRIFFITH HACK**; GPO Box 3125, Brisbane,
Queensland 4001 (AU).

(22) International Filing Date: 20 August 2004 (20.08.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003904501 21 August 2003 (21.08.2003) AU
2003904500 21 August 2003 (21.08.2003) AU
2003904509 21 August 2003 (21.08.2003) AU

(71) Applicant (*for all designated States except US*): **GRIFFITH UNIVERSITY** [AU/AU]; Kessels Road, Nathan,
Queensland 4111 (AU).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **VON ITZSTEIN,**
Laurence Mark [AU/AU]; 2/68 Tallebudgera Drive,
Palm Beach, Queensland 4221 (AU). **DAVIS, Christo-**
pher Bonner [AU/AU]; 15 Glider Court, Tallebudgera
Valley, Queensland 4228 (AU). **THOMSON, Robin Joy**
[AU/AU]; 9/4 Parneno Street, Chevron Island, Queensland
4217 (AU). **HARTNELL, Regan David** [AU/AU]; 43
Sweetgum Street, Ashmore, Queensland 4214 (AU).

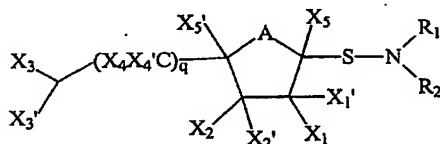
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL SULFENAMIDES



(I)

(57) Abstract: Sulfenamide compounds of general formula (I) are disclosed wherein A, R₁, R₂, X₁, X₁', X₂, X₂', X₃, X₃', X₄, X₄', X₅ and X₅' define a variety of variables and q is 0 or 1. The compounds of the examples are galactofuranosyl and arabinofuranosyl compounds wherein the variable A is oxygen. Methods for the synthesis of compounds of general formula (I), pharmaceutical compositions them and methods of using them to treat patients suffering a microbial infection are also disclosed.